THERMOCHIMICA ACTA, VOLUME 142 (1989)

AUTHOR INDEX

Abas, K.F. 245

Baker, J.E. 329
Balek, V. 251
Beckman, I.N. 251
Berchiesi, G. 13
Borrull, F. 107
Burch, R. 329

Campo, J.J. 127
Carrasco, F. 83
Cerdá, V. 135
Cesteros, L.C. 317
Chornet, E. 83

Debuigne, J. 29
Di Girolamo, M. 203
Dominguez, E. 317
Douhéret, G. 219

Etchessahar, E. 29

Fantauzzi, F. 203
Fresno-Ruiz, S. 73

Galogaza, V.M. 265
Gantar, D. 49
García-Clavel, E. 73
Gierycz, P. 59
Golunski, S.E. 329
Gomaa, E.A. 19
Goñi-Elizalde, S. 73
Gregorowicz, J. 59

Harmelin, M. 29
Heitz, M. 83
Hirabayashi, M. 281
Homs, N. 107
Horányi, T.S. 143

Imamura, A. 365

Jara, R. 135

Kamimoto, M. 281
Karan, V.K. 189
Katime, I. 127, 317
Khadir, A. 219
Kokorotsikos, P. 301

Laborra, C. 317
Lahiri, S.C. 1
Lalia-Kantouri, M. 301
Lee, J.J. 117
Liao, Y.-T. 211
Liu, H.-S. 211

Maciejewski, M. 175
Majumdar (Sengupta), K. 1
Manchobas, R.M. 107
Mitra, S. 89
Morcellet, M. 165
Moser, Z. 117
Mukherjee, D.C. 1

Nagata, I. 351
Nair, M.V. 189
Negishi, A. 281

Overend, R.P. 83

Pal, A. 219
Palomares, F. 317
Pamphilis, N.A. 151
Predel, B. 117
Prodan, E.A. 265

Qu, S.-S. 211

Rahten, A. 49
Ramirez de la Piscina, P. 107
Randhawa, H.S. 371
Rauk, J. 59
Rego, J.M. 127
Reller, A. 175
Rodante, F. 203

Sachdeva, R. 371
Sakamoto, R. 281
Sakiyama, M. 365
Salat, A. 107
Salman, S.R. 245
Sheleznov, A.V. 251
Singh, L.K. 89
Slanina, Z. 343
Sommer, F. 117
Song, Z.-H. 211
Sood, M.L. 371
Sun, D.-U. 211
Suri, S.K. 371

Takagi, T. 291
Takahashi, S. 291
Takahashi, Y. 281
Teranishi, H. 291
Tereshkova, S.G. 265

Varma, D.S. 189
Varma, I.K. 189
Vitali, G. 13
Volavšek, B. 49

Xie, C.-L. 211

Yokoyama, C. 291
Youri-Tsochatzi, C. 301

THERMOCHIMICA ACTA, VOLUME 142 (1989)

SUBJECT INDEX

Alkyl methacrylate,
Thermal characterization of methyl methacrylate–alkyl methacrylate copolymers 189
Amidoxime group,
Analytical properties of the amidoxime group. Potentiometric and thermometric behaviour of ethanediamidoxime 135
Associated solutions,
Thermodynamics of associated solutions. Vapour–liquid equilibrium for solutions containing propanoic acid or butanoic acid with association in both phases 351

Bacterial metabolism,
A thermokinetic study of bacterial metabolism 211
Benzoylhydrazine,
Spectral and thermal studies of monohalogen benzoylhydrazine Ni(II) complexes 301
Bromate–iodide reaction,
Thermometric study of the bromate–iodide reaction catalysed by Mo(VI) 107
Butanoic acid,
Thermodynamics of associated solutions. Vapour–liquid equilibrium for solutions containing propanoic acid or butanoic acid with association in both phases 351

$CaCO_3$,
Formation of amorphous $CaCO_3$ during the reaction of CO_2 with CaO 175
Cadmium(II),
Thermal investigation and stereochemical studies of some cyclic diamine complexes of nickel(II), zinc(II) and cadmium (II) in the solid state. Part III 89
CaO,
Formation of amorphous $CaCO_3$ during the reaction of CO_2 with CaO 175
Carbon fibers,
Compositional analysis of polyphenylene sulfide containing PTFE and carbon fibers 151
Catalyst surfaces,
Thermal analysis of catalyst surfaces 329
CdO,
Treatment of CdO at room temperature and 150 °C in a water-vapour-saturated atmosphere. Part I 73
Characteristic temperature,
Correlation between polystyrene molecular weights and a characteristic temperature derived from the thermogravimetric weight loss curves 83
Charge transfer complexes,
Stoichiometry and stability of some solid state charge transfer complexes formed in imidazole–hydrocarbon systems 371
CO_2,
Formation of amorphous $CaCO_3$ during the reaction of CO_2 with CaO 175
Consistency test,
A rigorous rule for temperature extrema of isomer enthalpy and entropy terms: consistency test of data 343
Copolymers,
Thermal characterization of methyl methacrylate–alkyl methacrylate copolymers 189
Crystallization,
Structural relaxation, glass transition and crystallization of Cu–Zr amorphous ribbons studied by dilatometry and differential scanning calorimetry 29
Cu–Zr amorphous ribbons,
Structural relaxation, glass transition and crystallization of Cu–Zr amorphous ribbons studied by dilatometry and differential scanning calorimetry 29
Cyclic diamine complexes,
Thermal investigation and stereochemical studies of some cyclic diamine complexes of nickel(II), zinc(II) and cadmium(II) in the solid state. Part III 89

Defect sites,
Theory of emanation thermal analysis VII: thermostimulated inert gas release as influenced by the energy spectrum of the defect sites in solids 251
1,3-Dimethyluracil,
Thermoanalytical characterization of 1,3-dimethyluracil and malonamide crystals 365
Dissociation constants,
Studies on the dissociation constants of 1,10-phenanthroline in ethanediol + water mixtures at 25 °C 1

Emanation thermal analysis,
Theory of emanation thermal analysis VII: thermostimulated inert gas release as influenced by the energy spectrum of the defect sites in solids 251

Energy spectrum,
Theory of emanation thermal analysis VII: thermostimulated inert gas release as influenced by the energy spectrum of the defect sites in solids 251
Enthalpy terms,
A rigorous rule for temperature extrema of isomer enthalpy and entropy terms: consistency test of data 343
Entropy terms,
A rigorous rule for temperature extrema of isomer enthalpy and entropy terms: consistency test of data 343
Ethanediamidoxime,
Analytical properties of the amidoxime group. Potentiometric and thermometric behaviour of ethanediamidoxime 135

Free-radical polymerization,
Non-classical free-radical polymerization. Part 2. The polymerization of mono-2-methoxyethyl and mono-2-ethoxyethyl itaconate 317

Glass transition,
Structural relaxation, glass transition and crystallization of Cu–Zr amorphous ribbons studied by dilatometry and differential scanning calorimetry 29

Heat treatment,
Investigation of the effects of heat treatment on the β-$Ni(OH)_2$–β-NiOOH system using IR spectroscopy 143
Hydrazinium hexafluoroarsenate,
Synthesis and characterization of new hydrazinium(2 +) and hydrazinium(1 +) hexafluorophosphates and hydrazinium(1 +) hexafluoroarsenate 49
Hydrazinium hexafluorophosphates,
Synthesis and characterization of new hydrazinium(2 +) and hydrazinium(1 +) hexafluorophosphates and hydrazinium(1 +) hexafluoroarsenate 49
Hydrocarbons,
Correlation and prediction of vapour–liquid equilibra in ternary systems formed by hydrocarbons 59
Hydroxyacetamide,
Solubility data of some sodium salts in 2-hydroxyacetamide 13
2-Hydroxyadamantane,
Thermal behaviour of 2-hydroxyadamantane 245

Imidazole–hydrocarbon systems,
Stoichiometry and stability of some solid state charge transfer complexes formed in imidazole–hydrocarbon systems 371

Kinetics,
Influence of the macrodiol chain length on the kinetics of linear non-segmented and segmented polyurethanes 127

Li–Zn alloys,
Calorimetric studies of liquid Li–Zn alloys 117

Macrodiol chain length,
Influence of the macrodiol chain length on the kinetics of linear non-segmented and segmented polyurethanes 127
Malonamide,
Thermoanalytical characterization of 1,3-dimethyluracil and malonamide crystals 365
Methanol,
Thermodynamic characterization of the water + methanol system, at 298.15 K 219
Methyl methacrylate,
Thermal characterization of methyl methacrylate–alkyl methacrylate copolymers 189
Mo(VI),
Thermometric study of the bromate–iodide reaction catalysed by Mo(VI) 107
Molecular weights,
Correlation between polystyrene molecular weights and a characteristic temperature derived from the thermogravimetric weight loss curves 83
Mono-2-ethoxyethyl itaconate,
Non-classical free-radical polymerization. Part 2. The polymerization of mono-2-methoxyethyl and mono-2-ethoxyethyl itaconate 317
Mono-2-methoxyethyl itaconate,
Non-classical free-radical polymerization. Part 2. The polymerization of mono-2-methoxyethyl and mono-2-ethoxyethyl itaconate 317

N,*N*-Dimethylformamide,
Transfer free energies of ions from water to *N*,*N*-dimethylformamide and its aqueous mixtures, based on Ph_4AsBPh_4 and Ph_4SbBPh_4 assumptions 19
Ni(II) complexes,
Spectral and thermal studies of monohalogen benzoylhydrazine Ni(II) complexes 301
β-$Ni(OH)_2$–β-NiOOH system,
Investigation of the effects of heat treatment on the β-Ni(OH)2–β-NiOOH system using IR spectroscopy 143

Nickel(II),
Thermal investigation and stereochemical studies of some cyclic diamine complexes of nickel(II), zinc(II) and cadmium(II) in the solid state. Part III 89

Perovskite formation,
Thermoanalytical investigation of $YBa_2Cu_3O_{7-y}$ superconductor. IV. Mechanism of perovskite formation from various starting materials 281
Phenanthroline,
Studies on the dissociation constants of 1,10-phenanthroline in ethanediol + water mixtures at 25 °C 1
Phenylalanine derivatives,
Calorimetric study of the first and second proton dissociation processes of fluoro and hydroxyl derivatives of phenylalanine 203
Polyelectrolytes,
Thermodynamics of the protonation of some polyelectrolytes 165
Polyphenylene sulfide,
Compositional analysis of polyphenylene sulfide containing PTFE and carbon fibers 151
Polystyrene,
Correlation between polystyrene molecular weights and a characteristic temperature derived from the thermogravimetric weight loss curves 83
Polyurethanes,
Influence of the macrodiol chain length on the kinetics of linear non-segmented and segmented polyurethanes 127
Propanoic acid,
Thermodynamics of associated solutions. Vapour–liquid equilibrium for solutions containing propanoic acid or butanoic acid with association in both phases 351
Proton dissociation processes,
Calorimetric study of the first and second proton dissociation processes of fluoro and hydroxyl derivatives of phenylalanine 203
Protonation,
Thermodynamics of the protonation of some polyelectrolytes 165
PTFE,
Compositional analysis of polyphenylene sulfide containing PTFE and carbon fibers 151

Sodium cyclotriphosphate,
Thermochemistry of sodium triphosphate and sodium cyclotriphosphate transformations 265
Sodium salts,
Solubility data of some sodium salts in 2-hydroxyacetamide 13
Sodium triphosphate,
Thermochemistry of sodium triphosphate and sodium cyclotriphosphate transformations 265
Solubility data,
Solubility data of some sodium salts in 2-hydroxyacetamide 13
Stability,
Stoichiometry and stability of some solid state charge transfer complexes formed in imidazole–hydrocarbon systems 371
Stoichiometry,
Stoichiometry and stability of some solid state charge transfer complexes formed in imidazole–hydrocarbon systems 371
Structural relaxation,
Structural relaxation, glass transition and crystallization of Cu–Zr amorphous ribbons studied by dilatometry and differential scanning calorimetry 29
Superconductor,
Thermoanalytical investigation of $YBa_2Cu_3O_{7-y}$ superconductor. IV. Mechanism of perovskite formation from various starting materials 281

Temperature extrema,
A rigorous rule for temperature extrema of isomer enthalpy and entropy terms: consistency test of data 343
Tetraethoxysilane,
Ultrasonic speeds and thermodynamic properties for tetramethylsilane, tetraethylsilane and tetraethoxysilane under high pressures 291
Tetraethylsilane,
Ultrasonic speeds and thermodynamic properties for tetramethylsilane, tetraethylsilane and tetraethoxysilane under high pressures 291
Tetramethylsilane,
Ultrasonic speeds and thermodynamic properties for tetramethylsilane, tetraethylsilane and tetraethoxysilane under high pressures 291
Thermodynamic properties,
Ultrasonic speeds and thermodynamic properties for tetramethylsilane, tetraethylsilane and tetraethoxysilane under high pressures 291
Transfer free energies,
Transfer free energies of ions from water to *N*,*N*-dimethylformamide and its aqueous

mixtures, based on Ph_4AsBPh_4 and Ph_4SbBPh_4 assumptions 19

Ultrasonic speeds,
Ultrasonic speeds and thermodynamic properties for tetramethylsilane, tetraethylsilane and tetraethoxysilane under high pressures 291

Vapour–liquid equilibria,
Correlation and prediction of vapour–liquid equilibra in ternary systems formed by hydrocarbons 59

Vapour–liquid equilibrium,
Thermodynamics of associated solutions. Vapour–liquid equilibrium for solutions containing propanoic acid or butanoic acid with association in both phases 351

Water,
Thermodynamic characterization of the water + methanol system, at 298.15 K 219
Transfer free energies of ions from water to *N*,*N*-dimethylformamide and its aqueous mixtures, based on Ph_4AsBPh_4 and Ph_4SbBPh_4 assumptions 19

$YBa_2Cu_3O_{7-y}$,
Thermoanalytical investigation of $YBa_2Cu_3O_{7-y}$ superconductor. IV. Mechanism of perovskite formation from various starting materials 281

Zinc(II),
Thermal investigation and stereochemical studies of some cyclic diamine complexes of nickel(II), zinc(II) and cadmium(II) in the solid state. Part III 89